

- (54) SO₂ scrubbing system for flue gas desulfurization**

- (57) Sulfur dioxide is scrubbed from boiler flue gases in a double-loop alkali scrubber, the first a quencher loop and the second an absorber loop. The reagent flow of the two loops is cycled to the absorber loop and a portion of the make-up water for the quencher loop is received from the absorber loop. By controlling recycled water from a dewatering system and selective utilization of high and low solids streams from the absorber system, the quencher slurry concentration may be controlled and the requirement for new make-up water reduced.



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